

AMENDMENTS TO THE CLAIMS

Please amend claims 9 and 10, to read as follows:

1. (Original) A multi-layer tube, comprising:

a base tube made of a fluororubber type thermoplastic elastomer composed of a rubber phase and crystalline phase, having a hardness of HDA 40 or more and HDA 70 or less as measured according to JIS K 7215; and

a coating layer laminated on an inner surface or an outer surface of the base tube, wherein the coating layer is a blend of the above fluororubber type thermoplastic elastomer with a (vinylidenefluoride)-(hexafluoropropylene)-(tetrafluoroethylene) ternary copolymer having a hardness of HDA 70 or more and HDD 80 or less as measured according to JIS K 7215.

2. (Original) A multi-layer tube, comprising:

a base tube made of a fluororubber type thermoplastic elastomer composed of a rubber phase and a crystalline phase; and

a coating layer laminated on an inner surface or an outer surface of the base tube, wherein the coating layer is a blend of a fluororubber type thermoplastic elastomer with an ethylene-tetrafluoroethylene copolymer (ETFE) or a poly(vinylidene fluoride) (PVDF).

3. (Original) A multi-layer tube, comprising:

a base tube made of a fluororubber type thermoplastic elastomer composed of a rubber phase and a crystalline phase; and

a coating layer laminated on an inner surface or an outer surface of the base tube, wherein the coating layer is made of an ethylene-tetrafluoroethylene copolymer (ETFE) or a poly(vinylidene fluoride) (PVDF).

4. (Original) A multi-layer tube according to claim 2 or 3,

wherein the base tube has a hardness of HDA 40 or more and HDA 70 or less as measured according to JIS K 7215 and the coating layer has a hardness of HDA 70 or more and HDD 80 or less as measured according to JIS K 7215.

5. (Original) A multi-layer tube comprising:
a base tube; and
a coating layer laminated on an inner surface of the base tube,
wherein the both materials of the base tube and the coating layer are made of a blend of a fluororubber type thermoplastic elastomer (A) composed of copolymer or a rubber phase and a crystalline phase having a hardness of HDA 40 or more and HDA 70 or less as measured according to JIS K 7215, with a non-adhesive fluoroplastic (B) having a hardness of HDA 70 or more and HDD 80 or less as measured according to JIS K 7215, and the weight percent of a ternary copolymer (B) of the base tube is less than that of the coating layer.

6. (Original) A multi-layer tube, according to any of claim 1 ~ 3,
wherein a non-adhesive fluoroplastic is laminated on a side whose surface is not laminated with the coating layer of the base tube.

7. (Original) A multi-layer tube, according to any of claim 1 ~ 3,
wherein a blend of the fluororubber type thermoplastic elastomer composed of a rubber phase and crystalline phase having a hardness of HDA 40 or more and HDA 70 or less as measured according to JIS K 7215, with a (vinylidene fluoride)- (hexafluoropropylene)-(tetrafluoroethylene) ternary copolymer having a hardness of HDA 70 or more, HDD 80 or less as measured according to JIS K 7215 is laminated on the side whose surface is not laminated with the coating layer of the base tube.

8. (Original) A multi-layer tube, according to claim 1, 2 or 5,
wherein the blend contains less than 80 weight percent of the fluororubber type thermoplastic elastomer.

9. (Currently amended) A multi-layer tube, according to any of claim 1 ~8, 2, 3 or 5,
wherein the rubber phase is composed of the (vinylidenefluoride)-(hexafluoropropylene)-(tetrafluoroethylene) ternary copolymer.

10. (Currently amended) A multi-layer tube, according to any of claim 1 ~9, 2, 3 or 5,
wherein a thickness of the coating layer is 0.5 ~ 70 % of the thickness of the base tube.